

STEREO MOC Status Report  
Time Period: 2011:262 - 2011:268

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 264, during the DSS 15 support, real-time telemetry was lost beginning at 1508z due to a DCD anomaly. After the DCD was rebooted, real-time telemetry was received again at 1659z. This anomaly resulted in the loss of 111 minutes of real-time telemetry. All SSR data was recovered. See DR# N107622 for more information.
- On day 266, during the DSS 63 support, turbo decoder lock was lost briefly beginning at 1048z and again at 1223z. This anomaly resulted in the loss of five frames of SSR data for all instruments. See DR# N107632 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 262, IMPACT IDPU/MAG high power consumption autonomy rule 64 fired at 15:43:12z. This powered off all of IMPACT and PLASTIC instruments. After investigating all recovered data, the instrument suites were gradually powered on. PLASTIC was returned to its operational configuration on 263-1400z. IMPACT was returned back to the nominal operational state, including high voltage ramp-ups, by 265-2010z.
- The average daily SSR playback volume for Ahead was 3.9 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 263, during the DSS 63 support, turbo decoder lock was lost briefly beginning at 1308z through 1453z. This resulted in the loss of two frames of SSR data. See DR# N107628 for more information.

- On day 264, during the DSS 63 support, real-time telemetry was lost beginning at 1508z due to a DCD anomaly. After the DCD was rebooted, real-time telemetry was received again at 1545z. This anomaly resulted in the loss of 37 minutes of real-time telemetry. All SSR data was recovered. See DR# N107623 for more information.
- On day 268, for the DSS 25 support, the antenna was declared red prior to the start of the track due to a loss of connectivity to the antenna. After connectivity was restored, telemetry was received at 2210z. To prevent data loss, the SSR Read pointers were repositioned. At 2338z, command bind and monitor data were lost due to equipment problems at the station. After the monitor data server was restarted at 269-0014z, command bind and monitor data were restored. Later in the support, turbo decoder lock was lost briefly at 0018z. These anomalies resulted in the loss of 70 minutes of real-telemetry and tracking data, 36 minutes of commanding and monitor data, and one frame of SSR data. See DR# G111988 and G111991 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 5.5 Gbits during this week.